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GENERAL PUBLICATIONS
of Alberta Energy and Natural Resources

AL/ES/AIG/G45/1980

Fall 1980

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Alberta
ENERGY AND
NATURAL RESOURCES

CONTENTS

Ordering General Publications . . . 1
Ordering Special Materials 2
General 3
Energy 3
Fish and Wildlife 4
Forest 6
Land 7
Resource Management 8
Recreation/Outdoor Activities . . . 8

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TECHNICAL PUBLICATIONS

Technical reports, studies, and scientific papers are available in limited quantities for advanced students, researchers, industry, etc. A separate catalogue is available from Resource Information Services. (See "Written Requests" for address)

MAPS AND AERIAL PHOTOGRAPHS

A wide range of federal maps are distributed together with the maps produced by Alberta Energy and Natural Resources. Catalogues are available either from Resource Information Services or from the Map and Air Photo Distribution Centre. Aerial photography, aerial mosaics, enlargements, and other related services are offered by:
Alberta Map and Air Photo
Distribution Centre
9945 - 108 Street
Edmonton, Alberta
Canada T5K 2G6

FILMS

The Department has produced a number of 16mm films:
Energy: **The Coal Rush** (Part 1); **Coal. The Mine That Never Was** (Part 2).
Fish and Wildlife: **Sam Livingston Fish Hatchery.**
Forest: **The Vital Two-Thirds; The First Harvest; The Ultimate Forest.**
Resource Management: **A Legacy For Tomorrow.**
These are distributed through the Provincial Film Library. For details on ordering, please contact:

The Film Library Service
Alberta Government Services
11510 - Kingsway Avenue
Edmonton, Alberta
Canada T5G 2Y5
Telephone: (403) 427-4381
A catalogue is available; please request the one listing Energy and Natural Resources films.

KEY

G = of general interest
SP = for special interest groups
T = ideal for teachers
* = available in class quantities
JH = suitable for Junior High school classes
SH = suitable for Senior High school classes

GENERAL

ALBERTA ENERGY AND NATURAL RESOURCES: ANNUAL REPORT:
- 1976/77
- 1977/78
- 1978/79
- 1979/80

Departmental statutory report presenting divisional responsibilities and yearly highlights. SP.

AIR PHOTO AND MAP DISTRIBUTION SERVICES (pamphlet, 1980). Description of services provided in this area. G.

THE AGRICULTURAL AND RECREATIONAL LAND OWNERSHIP ACT and REGULATIONS (pamphlet, 1979). Reasons the law was formed and regulations currently in effect. G.

RESOURCE EVALUATION AND PLANNING (booklet, 1980, 12 pp.). Description of the departmental division responsible for aerial photography, mapping, resource inventory and appraisal, and integrated resource policy and planning. G.

ENERGY

CONSERVATION

ENERGY CONSERVATION INITIATIVES: A PROVINCIAL GOVERNMENT PROFILE (booklet, 1980, 13 pp.). Brief outline of Alberta Government programs in energy conservation. G.

ENERGY EFFICIENT HOUSING — A PRAIRIE APPROACH (booklet, 1980, 31 pp.). A construction guide for building an energy efficient house, produced in conjunction with Saskatchewan Mineral Resources. SP.

*ENERGY MATTERS (booklet, 1979, 32 pp.). Guide to efficient energy use in the home and in personal transportation. G, JH, SH.

ENERGY MATTERS TEACHER'S GUIDE. T.

*SOLAR ENERGY MATTERS (booklet, 1979, 18 pp.). Primer on solar energy and solar energy systems. G, JH, SH.

SOLAR ENERGY MATTERS TEACHER'S GUIDE. T.

ENERGY MATTERS SHOPPING BAG. G.

FUEL ECONOMY CALCULATOR AND LOG. Aid for gas-conscious drivers. G.

NON-RENEWABLE

ALBERTA COAL (booklet, 1980, 16 pp., maps, illus.). Statistics and information of particular interest to potential investors. SP.

THE ALBERTA OIL SANDS (report, 1977, 17 pp., illus.). Written before the opening of the Syncrude plant, but still a good overview of the industry: deposits, companies, extraction processes, research. G. T.

ALBERTA OIL SANDS (10-slide set, 1977). Although the statistics are dated, a useful introduction to oil sands. T.

*THE COAL RUSH (Part 1) and COAL. THE MINE THAT NEVER WAS (double booklet, 1978, 32 pp., illus.). Introduction to Alberta's coal resources, exploration and development, and the reclamation of mined land (see films). G, JH, SH.

RESEARCH

ALBERTA/CANADA ENERGY RESOURCES RESEARCH FUND; ANNUAL REPORT:

- 1977/78
- 1978/79
- 1979/80

Annual summary of energy-related research projects supported by the joint provincial-federal fund. SP.

FISH AND WILDLIFE

GENERAL

BEAVERHILL LAKE MANAGEMENT AREA: PROPOSED HABITAT IMPROVEMENT (pamphlet). Overview of a "Buck for Wildlife" reclamation area. G.

BUCK FOR WILDLIFE (pamphlet). Explains the departmental habitat development and improvement program. G.

BUCK FOR WILDLIFE: ANNUAL REPORT 1978/79 (report, 32 pp.). Annual review of the habitat development and improvement program. G.

FIELD GUIDE TO BIGHORN SHEEP (pamphlet, illus.). Age identification guide for sportsmen. SP.

INTRODUCTIONS TO WILDLIFE, (poster-size sheets):

- BROAD-WINGED HAWKS OF ALBERTA
- CLOVEN-HOOFED ANIMALS OF ALBERTA
- DIVING DUCKS OF ALBERTA
- FALCONS AND EAGLES OF ALBERTA
- FISH OF ALBERTA
- LARGE CARNIVORES OF ALBERTA
- OWLS OF ALBERTA
- PUDDLE DUCKS OF ALBERTA
- SWANS, CRANES, AND GEESE OF ALBERTA
- UPLAND GAME BIRDS OF ALBERTA
- WEASEL FAMILY OF ALBERTA

Includes descriptions, full-colour drawings, habit, range and management information. G, T.

NATURE GUIDES:

- BIRD FEEDERS
- BLIZZARDS TAKE TOLL OF PHEASANTS
- COYOTE HOWLS HAVE MEANING
- DEER YARDS

- DON'T DISTURB THE PELICANS
- FISH NEED CLEAN WATER
- GOSLINGS DESERT PARENTS (Canada Geese)
- THE GREAT HORNED OWL
- KNOW YOUR DUCKS
- THE LONELY FAWN
- PRESERVATION OF THE SPECIES (fall rutting)
- SURVIVING WINTER
- WHERE DO BATS GO IN WINTER TIME?
- RUFFED GROUSE DIVES FOR COVER

Reprints of newspaper articles, encouraging a responsible attitude towards fish and wildlife. G, T.

SUMMARY SHEETS:

- SUMMARY SHEETS (introducing the series)
- EASTERN COUGAR
- ESKIMO CURLEW
- GREATER PRAIRIE CHICKEN
- PIPING PLOVER
- SEA OTTER
- VANCOUVER ISLAND MARMOT
- WHITE PELICAN
- WHOOPING CRANE
- WOOD BISON

Published by the Committee on the Status of Endangered Wildlife in Canada, but available through the Department. Basic, authoritative information including threatened/endangered situation and suggested reading. G, T.

WILDLIFE AND YOU (pamphlet, 1979). Tips of safety and respect in contact with wildlife. G.

FISH CULTURE

SAM LIVINGSTON FISH HATCHERY AND REARING STATION (booklet, 1980, 12 pp., illus.). Alberta's largest hatchery — how it works, the facilities, fish reared. G, T.

FISH PLANTING LIST (pamphlet, annual). List of locations, amounts, species, sizes, and months stocked. SP.

WILDLIFE MANAGEMENT

CONTROLLING WATER LEVELS IN BEAVER PONDS (booklet, 11 pp., 1980). Management of ponds to prevent flooding. SP.

PHEASANT HABITAT IMPROVEMENT (pamphlet, illus.). How to help pheasants survive in your area. G.

PREVENTION OF ROAD FLOODING CAUSED BY BEAVER (pamphlet, illus.). Information regarding specially designed culverts to prevent chronic flooding. SP.

WILDLIFE MANAGEMENT REPORTS (reports, illus.):

- GOOSE MANAGEMENT IN ALBERTA
- MANAGING ALBERTA'S BIGHORN SHEEP
- MANAGING NORTHERN ALBERTA'S MOOSE POPULATION
- LAND USE PLANNING FOR CONSERVATION
- PREDATORS AND PREDATOR MANAGEMENT
- PROTECTION FOR ALBERTA'S ENDANGERED WILDLIFE
- PROBLEM WILDLIFE MANAGEMENT (resolving man-wildlife conflicts)

Non-technical descriptions of wildlife resources and harvest regulations, management problems, and activities of the Department. SP.

WILDLIFE RESEARCH

NATURE GUIDES:

- COUNTING WILDLIFE FROM THE AIR
- THE MAN WHO SAW THE LIGHT (Alberta zoologist Wm. Rowan who studied bird migration)

Originally short newspaper articles, these reprints cover aspects of general research. G, T.

WILDLIFE PROJECTS 1979/80 (report, 1979). Brief summary of wildlife research pursued by the Department describing background, objectives, and results. SP.

FOREST

FIRE PREVENTION

NOTICE: YOU ARE LIVING IN A FOREST PROTECTION AREA (pamphlet). Regulations applying to these areas. G.

THE CAMPER'S DIRTY HAND BOOK (pamphlet, 1980). Tips for safe campfire use. G.

CLEARING LAND? WE WOULD LIKE TO HELP (pamphlet, 1972). Proper windrow construction and regulations for safer burning. SP.

FALL BURNING (pamphlet, 1976). Good reasons for burning windrows and brush piles in the fall. SP.

THE FAST, FREE WAY TO REPORT A FOREST FIRE (poster). Use of the zenith number. G.

THANK YOU TREES (4-poster set). Aspects of the forest's importance to man — recreation, wood products, water purification, air quality. G, T.

HOW TO BUILD A CAMPFIRE (pamphlet). Proper use of the axe, and campfire safety tips. G.

JUST ONE SPARK (pamphlet). Tips to prevent welding fires for mill operators and employees. SP.

IS YOUR FIRE OUT? CHECK! (poster). G.

FORESTRY

TREES OF ALBERTA (poster-size sheet, 1979, maps, illus.). Illustrations, descriptions, and range maps for the most common species. G, T.

TIMBER OPERATOR'S MANUAL (booklet, 1960, 14 pp., illus.). Good forest management practices for timber harvesters and woodsmen. SP.

TREES FOR THE FUTURE: PINE RIDGE NURSERY (pamphlet, 1979). History and current activities of a specialized reforestation facility. G, T.

*THE FIRST HARVEST (booklet, n.d., 16 pp.). Companion booklet for film on forest management and reforestation (see films). G, JH, SH.

*THE VITAL TWO-THIRDS (booklet, 1976, 12 pp.). Companion booklet for film discussing forest resources in Alberta (see films). G, JH, SH.

FOREST TECHNOLOGY SCHOOL (pamphlet). History and curriculum of the school in Hinton.

FORESTRY CAREERS (pamphlet, 1976). G.

FORESTRY PROGRAMS

ALBERTA FOREST SERVICE MUSEUM (pamphlet). Guide to the displays of this Hinton museum. G, T.

JOIN THE ADVENTURE: BE A PART OF THE JUNIOR FOREST WARDEN PROGRAM (pamphlet, 1978). Information for potential sponsors and leaders. G.

JOIN THE ADVENTURE: BECOME A JUNIOR FOREST WARDEN (pamphlet). Introduction to an adventure club open to ages 10 – 16. G.

JUNIOR FOREST RANGERS (pamphlet). About the activities and training offered in a work program for ages 16 - 18.

RESEARCH

TRI-CREEKS WATERSHED STUDY (folder, n.d.). Introduction to the research project evaluating effects of logging on streamflow, water quality, and fish populations. SP.

FOREST DEVELOPMENT RESEARCH TRUST FUND, APPLICATION PROCEDURES (1978, 6 pp.). SP.

ALBERTA FOREST INVENTORY (booklet, 1968, 40 pp., maps, illus.). Various aspects and results of an early provincial forest inventory. SP.

ALBERTA FOREST DEVELOPMENT RESEARCH TRUST FUND; ANNUAL REPORT:

- 1975/76
- 1976/77
- 1977/78
- 1978/79

Summary of research projects funded for improving forest land management practices. SP.

LAND

GENERAL

ALBERTA PUBLIC LANDS (booklet, 1979, 33 pp., maps, illus.). Management and administration of public lands by the Department: agricultural and non-agricultural uses, land use planning, reclamation, department policy. G.

INFORMATION RE: EXPLORATION (sheet, 1977). Summary of procedures regarding exploration for and production of minerals upon public land held under disposition. SP.

SUBMISSION OF SURFACE LEASE APPLICATION AND AMENDMENTS (sheet, 1977). Procedures regarding applications for or amendments of surface leases on public lands. SP.

SHORELINE FACTS (pamphlet, 1979). Regulations regarding shoreline improvement. G.

INFORMATION ON ACQUIRING PUBLIC LANDS (sheet, 1975). Summary of necessary terms and conditions, including principal agricultural dispositions. SP.

INFORMATION RE: HOMESTEAD SALES (sheet, 1978). SP.

MANAGEMENT — GRAZING

INFORMATION RE: LEASING OF GRAZING LANDS IN ALBERTA (sheet, 1975). SP.

GRAZING RESERVES AND ASSOCIATIONS (pamphlet, 1975). A description of the nature and extent of the provincial grazing reserve program and grazing association lease pastures. SP.

MANAGEMENT — RANGE

RANGE IMPROVEMENT PROGRAMS (pamphlet, 1980). Outlines assistance available to holders of grazing dispositions. SP.

RANGE: ITS NATURE AND USE (booklet, 1977, 33 pp.). Principles of range management. G.

ALBERTA RANGE PASTURES (booklet, 1979, 30 pp.). Description of pastures, with guide to stocking rates. SP.

GUIDE TO RANGE CONDITIONS AND STOCKING RATES FOR ALBERTA (booklet, 1976, 26 pp.). SP.

RESOURCE MANAGEMENT

A COAL DEVELOPMENT POLICY FOR ALBERTA (report, 1976, 45 pp.). The Alberta Government statement describing conditions for exploration and development. SP.

FORESTS AND WATER (pamphlet, 1979). Outlines the importance of forest to the water cycle, watershed management and activities of the Alberta Forest Service. G, T.

*A LEGACY FOR TOMORROW (booklet, 1980, 12 pp.). Companion booklet for a film on the richness of the Eastern Slopes, outlining protection provided by the resource management policy (see films). G, JH, SH.

A POLICY FOR RESOURCE MANAGEMENT OF THE EASTERN SLOPES (report, 1977, 19 pp., maps). Land-use plan for the foothills. SP.

PROTECTING STREAMS AND RIVERS ON PRIVATE LAND (pamphlet, 1978, illus.). Description of a government program offering landowners help with improving and maintaining water quality and fish habitat. G.

RECREATION/OUTDOOR ACTIVITIES

GENERAL

BE A HOLIDAY HERO (3 posters):
- DOWN WITH NOISE
- OUT WITH FIRE
- PUT GARBAGE IN ITS PLACE

Courtesy for campers. G.

BE A HOLIDAY HERO (pamphlet). Encourages consideration for the surroundings and fellow users of recreational facilities. G.

CLEARWATER RIVER — A MAP/GUIDE FOR RIVER TRAVEL (booklet, 1979, 35 pp.). Waterproof guide to a 188 km historic river route in NE Alberta, with feature maps and informative text. G. Price: $2.00.

FOREST MANAGEMENT INTERPRETIVE TRAIL (pamphlet, 1980). Brief description of Kananaskis Country trail showing use and management of forests in Alberta. G.

ALBERTA LICENSED GUIDES (pamphlet, annual). Lists names and addresses of Class "A" and "B" guides. SP.

NATURE GUIDES:

- ANIMAL TRACKS
- CLOTHING IS AN INSULATOR
- ICE FISHING
- A SIMPLE JIG FOR ICE FISHING
- SPRING CAUTION: BEWARE THIN ICE
- STAY DRY: STOP HYPOTHERMIA
- YOUR PERSONAL FIRST AID KIT
- WINTER SURVIVAL IN THE FOREST

Originally short newspaper articles, these reprints encourage responsible enjoyment of the outdoors. G.

RECREATION AREAS

BRAGG CREEK 1980. CROSS-COUNTRY SKIING (pamphlet, 1980). Map and brief descriptions of six groomed trails. G.

RECREATION AREAS OF THE EASTERN SLOPES (pamphlet, 1980). Detailed map and description of points of interest along the Forestry Trunk Road. G.

RECREATION AREA PAMPHLETS:

- CASTLE (Blairmore Ranger District)
- ELBOW
- GHOST
- NORDEGG
- ROBB

Regulations with map showing Forest Service picnic, camping and cross-country areas. G.

SNOWMOBILE AREA PAMPHLETS:

- CATARACT CREEK
- GHOST DISTRICT
- McLEAN CREEK — SIBBALD

G.

TOPOGRAPHIC MAP OF WILLMORE WILDERNESS PARK (pamphlet, 1979). Description of park with map showing hiking/horse-riding trails and campgrounds. G.

REGULATIONS

BOATING IN ALBERTA (booklet, annual). Summary of boating restriction regulations. SP.

A COMMERCIAL TRAIL RIDING POLICY FOR ALBERTA (pamphlet, 1979). Information regarding establishment of commercial trail riding operations in forested areas. SP.

FISH AND WILDLIFE SERIES:

- HUNTER TRAINING COURSE (offered by the Department)
- SNARING
- WILDLIFE COLUMN (Big Game Regulations with respect to coyotes)

Originally newspaper articles, these reprints cover information

and regulations on hunting and fishing. SP.

SUMMARY OF REGULATIONS:

- BIG GAME
- BIRD GAME
- SPORTFISHING
- TRAPPING

Each pamphlet updates changes for the new season and summarizes regulations, licences, seasons, and fees. SP.

KEY

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